

Practitioner Docket No. 49084-DIV (70904)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Yamamoto, et al.

Serial No.: 09/916,700

Examiner: Donald Wilson

Filed: July 27, 2001

Group Art Unit: 1713

For: HIGH POLYMER GEL AND ACTIVATION METHOD FOR COMPOUNDS  
CONTAINING ACTIVE HYDROGEN

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT TRANSMITTAL

1. Transmitted herewith is a Request for Reconsideration for this application.

STATUS

2. Applicant is  
☐ a small entity. A statement:  
☐ is attached.  
☐ was already filed.  
☒ other than a small entity.

EXTENSION OF TERM

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. SECTION 1.8(a))

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

- ☒ deposited with the United States Postal Service  
with sufficient postage by First Class Mail, in an  
envelope addressed to the Commissioner for  
Patents, Alexandria, VA 22313-1450.

Date June 14, 2004

FACSIMILE

- ☐ transmitted by facsimile to the Patent and  
Trademark Office at

*Michelle P. Chicos*

Signature

Michelle P. Chicos

(type or print name of person certifying)

(Amendment Transmittal--page 1 of 4)

NOTE: "Extension of Time in Patent Cases (Supplement Amendments) -- If a timely and complete response has been filed after a Non-Final Office Action, an extension of time is not required to permit filing and/or entry of an additional amendment after expiration of the shortened statutory period.

If a timely response has been filed after a Final Office Action, an extension of time is required to permit filing and/or entry of a Notice of Appeal or filing and/or entry of an additional amendment after expiration of the shortened statutory period unless the timely-filed response placed the application in condition for allowance. Of course, if a Notice of Appeal has been filed within the shortened statutory period, the period has ceased to run." Notice of December 10, 1985 (1061 O.G. 34-35).

NOTE: See 37 C.F.R. Section 1.645 for extensions of time in interference proceedings, and 37 C.F.R. Section 1.550(c) for extensions of time in reexamination proceedings.

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. Section 1.136 apply.

(complete (a) or (b), as applicable)

(a) ☒ Applicant petitions for an extension of time under 37 C.F.R. Section 1.136 (fees: 37 C.F.R. Section 1.17(a)(1)-(4)) for the total number of months checked below:

	Extension (months)	Fee for other than small entity	Fee for small entity
<input type="checkbox"/>	one month	\$ 110.00	\$ 55.00
<input checked="" type="checkbox"/>	two months	\$ 420.00	\$ 210.00
<input type="checkbox"/>	three months	\$ 950.00	\$ 475.00
<input type="checkbox"/>	four months	\$ 1,480.00	\$ 740.00

Fee: \$ 420.00

If an additional extension of time is required, please consider this a petition therefor.

(check and complete the next item, if applicable)

☐ An extension for \_\_\_\_\_ months has already been secured. The fee paid therefor of \$ \_\_\_\_\_ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ 420.00

OR

(b) ☐ Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

FEE FOR CLAIMS

4. The fee for claims (37 C.F.R. Section 1.16(b)-(d)) has been calculated as shown below

(Col.1)	(Col. 2)	SMALL ENTITY		OR	OTHER THAN A SMALL ENTITY	
Claims Remaining After Amendment	Highest No. Previously Paid For	Present Extra	Rate		Rate	Addit. Fee
			\$9.00		\$18.00	\$0.00
Independent Claims			\$43.00		\$86.00	\$0.00
First Presentation of Multiple Dependent Claim+			\$145.00		\$290.00	\$0.00
					Total Addit. Fee	\$0.00

- \* If the entry in Col. 1 is less than the entry in Col. 2, write "O" in Col. 3,
  - \*\* If the "Highest No. Previously Paid For" IN THIS SPACE is less than 20, enter "20".
  - \*\*\* If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, enter "3".
- The "Highest No. Previously Paid For" (Total or Indep.) is the highest number found in the appropriate box in Col. 1 of a prior amendment or the number of claims originally filed.

**WARNING:** "After final rejection or action (Section 1.113) amendments may be made canceling claims or complying with any requirement of form which has been made." 37 C.F.R. Section 1.116(a) (emphasis added).

(complete (c) or (d), as applicable)

(c) [X] No additional fee for claims is required.

OR

(d) [ ] Total additional fee for claims required \$ \_\_\_\_\_.

FEE PAYMENT

5. [X] Attached is a check in the sum of \$ 420.00.
- [ ] Charge Account No. 04-1105 the sum of \$ \_\_\_\_\_.  
A duplicate of this transmittal is attached.

## FEE DEFICIENCY

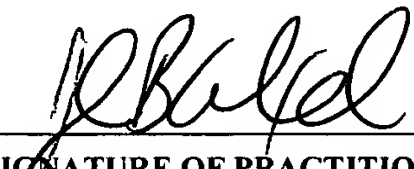
*NOTE: If there is a fee deficiency and there is no authorization to charge an account, additional fees are necessary to cover the additional time consumed in making up the original deficiency. If the maximum, six-month period has expired before the deficiency is noted and corrected, the application is held abandoned. In those instances where authorization to charge is included, processing delays are encountered in returning the papers to the PTO Finance Branch in order to apply these charges prior to action on the cases. Authorization to charge the deposit account for any fee deficiency should be checked. See the Notice of April 7, 1986, (1065 O.G. 31-33).*

6. [X] If any additional extension and/or fee is required, charge Account No. 04-1105.

### AND/OR

[X] If any additional fee for claims is required, charge Account No. 04-1105.

Date: June 14, 2004

  
\_\_\_\_\_  
SIGNATURE OF PRACTITIONER

John B. Alexander, Ph.D. (Reg. No. 48,399)  
(type or print name of practitioner)

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Lfw

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Dear Sir:

**RESPONSE TO OFFICE ACTION**

Applicants are in receipt of the Office Action dated January 13, 2003 and request reconsideration of the above-identified application in view of the following remarks

**REMARKS**

The Applicants appreciate the Examiner's thorough examination of the subject application. Applicants request reconsideration of the subject application based on the following remarks.

The present invention provides methods for addition of a heterocyclic compound or an aldehyde to an active-hydrogen-containing compound, wherein the methods are conducted in the presence of a polymer gel catalyst having a cyclic ammonium salt in the polymer main chain. More particularly the invention provides methods which utilize a polymer catalyst which retain catalytic activity for extended periods of time even when the reaction is conducted at elevated temperatures.